

Name \_\_\_\_\_ Date \_\_\_\_\_

## 2.2C SIMPLIFYING RADICAL EXPRESSIONS

Simplify each radical expression

1. $\sqrt{52} =$
2. $\sqrt[3]{250} =$
3. $\sqrt{45a^9} =$
4. $\sqrt[3]{54a^{17}} =$
5. $\sqrt{96a^{15}} =$
6. $\sqrt[3]{-80a^{26}} =$
7. $\sqrt{24a^{16}b^7} =$
8. $\sqrt[3]{-216a^{23}b^9} =$
9. $\sqrt{75a^{17}b^{12}c^7} =$
10. $\sqrt[3]{48a^{14}b^{22}c^{15}} =$
11. $\sqrt{54a^{10}b^{15}c^6} =$
12. $\sqrt[3]{128a^{13}b^{18}c^{26}} =$
13. $\sqrt{\frac{64}{25}} =$
14. $\sqrt{\frac{48a^{13}}{6a^8}} =$
15. $\sqrt{\frac{96a^{15}b^9}{8a^{13}b^4}} =$
16. $\sqrt{\frac{80a^8b^{15}}{4a^2b^{10}}} =$
17. $\sqrt{\frac{168a^{17}b^9}{6a^{12}b^5}} =$
18. $\sqrt{\frac{144a^{22}b^8}{6a^{15}b^7}} =$